



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 387
Component
Diesel Engine
Fluid
SHELL ROTELLA T 15W40 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0553469	---	---
Sample Date		Client Info		04 Jun 2024	---	---
Machine Age	mls	Client Info		737530	---	---
Oil Age	mls	Client Info		30000	---	---
Filter Age	mls	Client Info		30000	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				MARGINAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>165	46	---	---
Chromium	ppm	ASTM D5185(m)	>5	1	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	1	---	---
Lead	ppm	ASTM D5185(m)	>150	<1	---	---
Copper	ppm	ASTM D5185(m)	>90	1	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

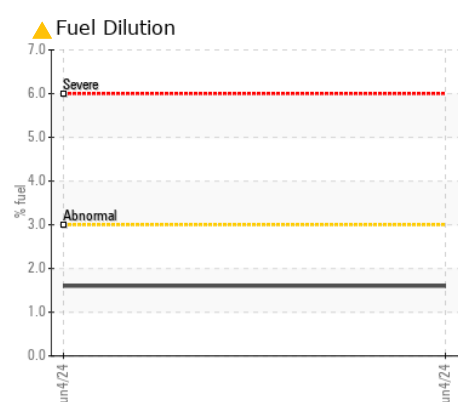
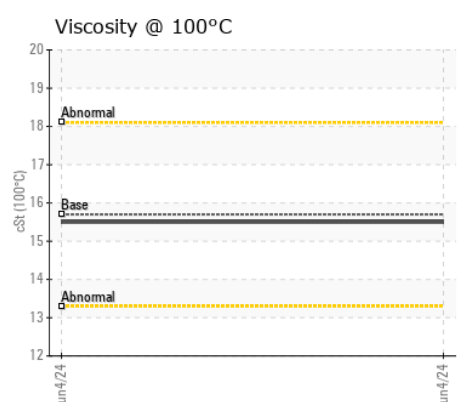
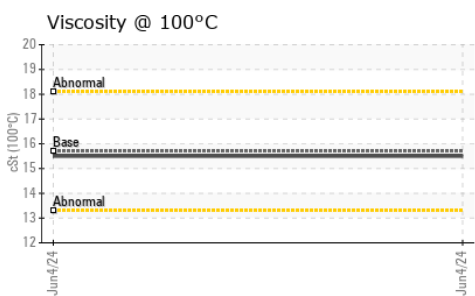
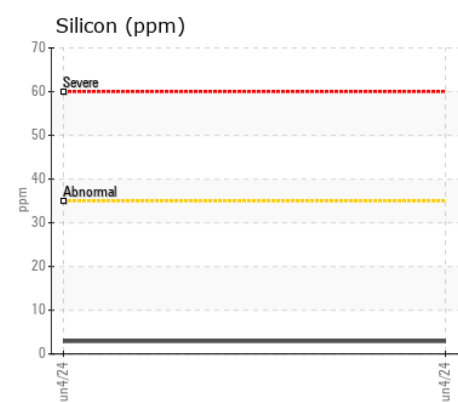
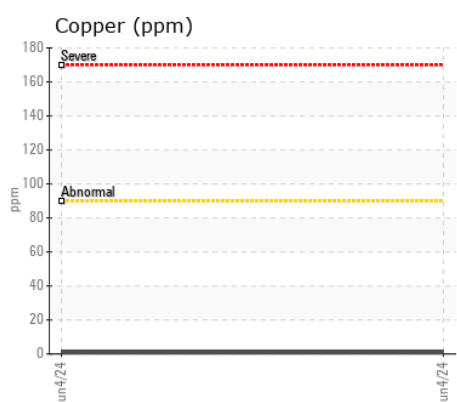
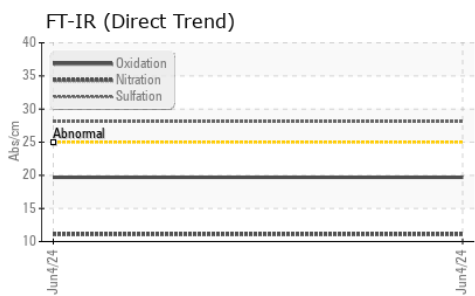
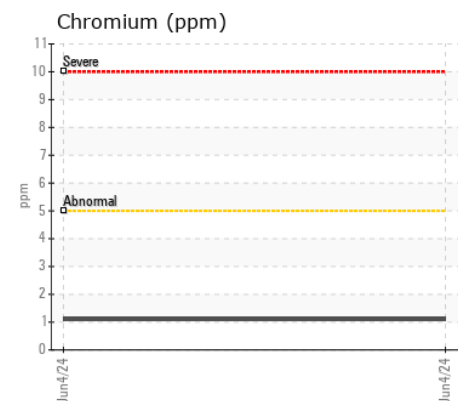
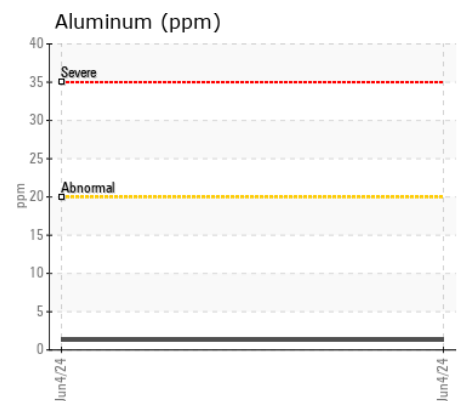
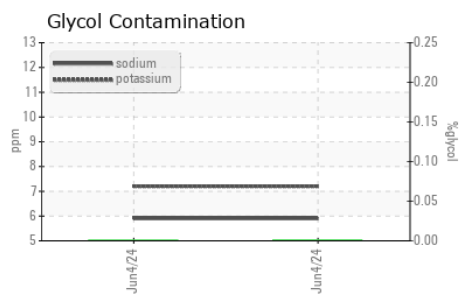
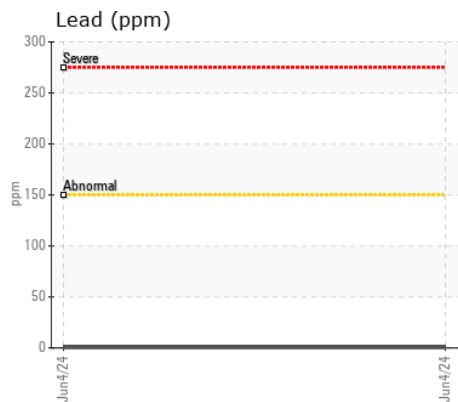
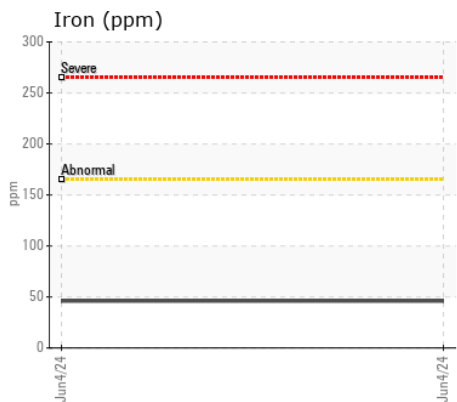
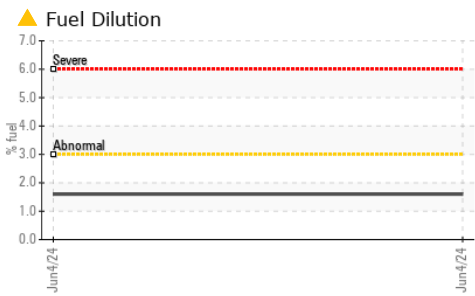
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>35	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	7	---	---
Fuel	%	ASTM D7593*	>3.0	▲ 1.6	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>7.5	2.8	---	---
Nitration	Abs/cm	ASTM D7624*	>20	11.1	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	28.1	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		6	---	---
Boron	ppm	ASTM D5185(m)	35	67	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	8	---	---
Manganese	ppm	ASTM D5185(m)	0	<1	---	---
Magnesium	ppm	ASTM D5185(m)	10	56	---	---
Calcium	ppm	ASTM D5185(m)	2340	2205	---	---
Phosphorus	ppm	ASTM D5185(m)	1110	950	---	---
Zinc	ppm	ASTM D5185(m)	1210	1167	---	---
Sulfur	ppm	ASTM D5185(m)	3890	2760	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.7	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.7	15.5	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0553469
Lab Number : 02640665
Unique Number : 5789827
Test Package : MOB 1 (Additional Tests: FUELDILUTION, Glycol, PercentFuel)

RUSH TRUCK CENTRES OF CANADA
 77 BELLEVUE DR
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 CA K8N 4Z5
 Contact: Service Manager
 LBRETT@RUSHTRUCKCENTRES.CA

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.